

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



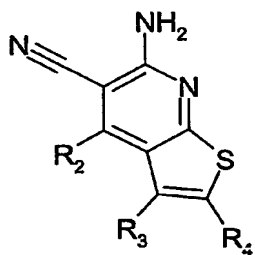
(43) International Publication Date
21 April 2005 (21.04.2005)

PCT

(10) International Publication Number
WO 2005/034950 A1

- (51) International Patent Classification⁷: **A61K 31/4365**,
A61P 35/00
- (74) Agent: **WALLS, Alan, J.**; Vernalis (Cambridge) Limited,
Granta Park, Abington, Cambridge CB1 6GB (GB).
- (21) International Application Number:
PCT/GB2004/004216
- (22) International Filing Date: 5 October 2004 (05.10.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0323810.2 10 October 2003 (10.10.2003) GB
- (71) Applicant (for all designated States except US): **VER-
NALIS (CAMBRIDGE) LIMITED** [GB/GB]; Granta
Park, Abington, Cambridge CB1 6GB (GB).
- (72) Inventors; and
- (73) Inventors/Applicants (for US only): **DRYSDALE,
Martin, James** [GB/GB]; Vernalis (Cambridge) Limited,
Granta Park, Abington, Cambridge CB1 6GB (GB).
DYMOCK, Brian, William [GB/GB]; Evotec OAI, 151
Milton Park, Abingdon, Oxfordshire OX14 4SD (GB).
BARRIL-ALONSO, Xavier [ES/GB]; Vernalis (Cam-
bridge) Limited, Granta Park, Abington, Cambridge CB1
6GB (GB).
- (81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.
- (84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: PYRIDOTHIOPHENE COMPOUNDS



(I)

(57) Abstract: The use of compounds of formula (I) in therapy, particularly for the treatment of a disorder mediated by excessive or inappropriate HSP90 activity formula (I), wherein R₂ is a group of formula (IA): -(Ar¹)_m-(Alk¹)_p-(Z)- (Alk²)_s-Q (IA) Ar¹, Alk¹, Z, Alk² and Q being as defined in the specification; m, p, r and s are independently 0 or 1; R₃ is hydrogen, an optional substituent, or an optionally substituted (C₁-C₆)alkyl, aryl or heteroaryl radical; and R₄ is a carboxylic ester, carboxamide or sulfonamide group; or a salt, N-oxide, hydrate, or solvate thereof.

WO 2005/034950 A1